

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029196.D
 Acq On : 16 Jan 2019 09:43
 Operator : JC/SP
 Sample : VU0116WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBL01

Quant Time: Jan 17 00:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	102786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	180941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65631	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	71035	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
35) Dibromofluoromethane	4.88	113	62424	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
50) Toluene-d8	7.56	98	231781	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	10.30	95	71784	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

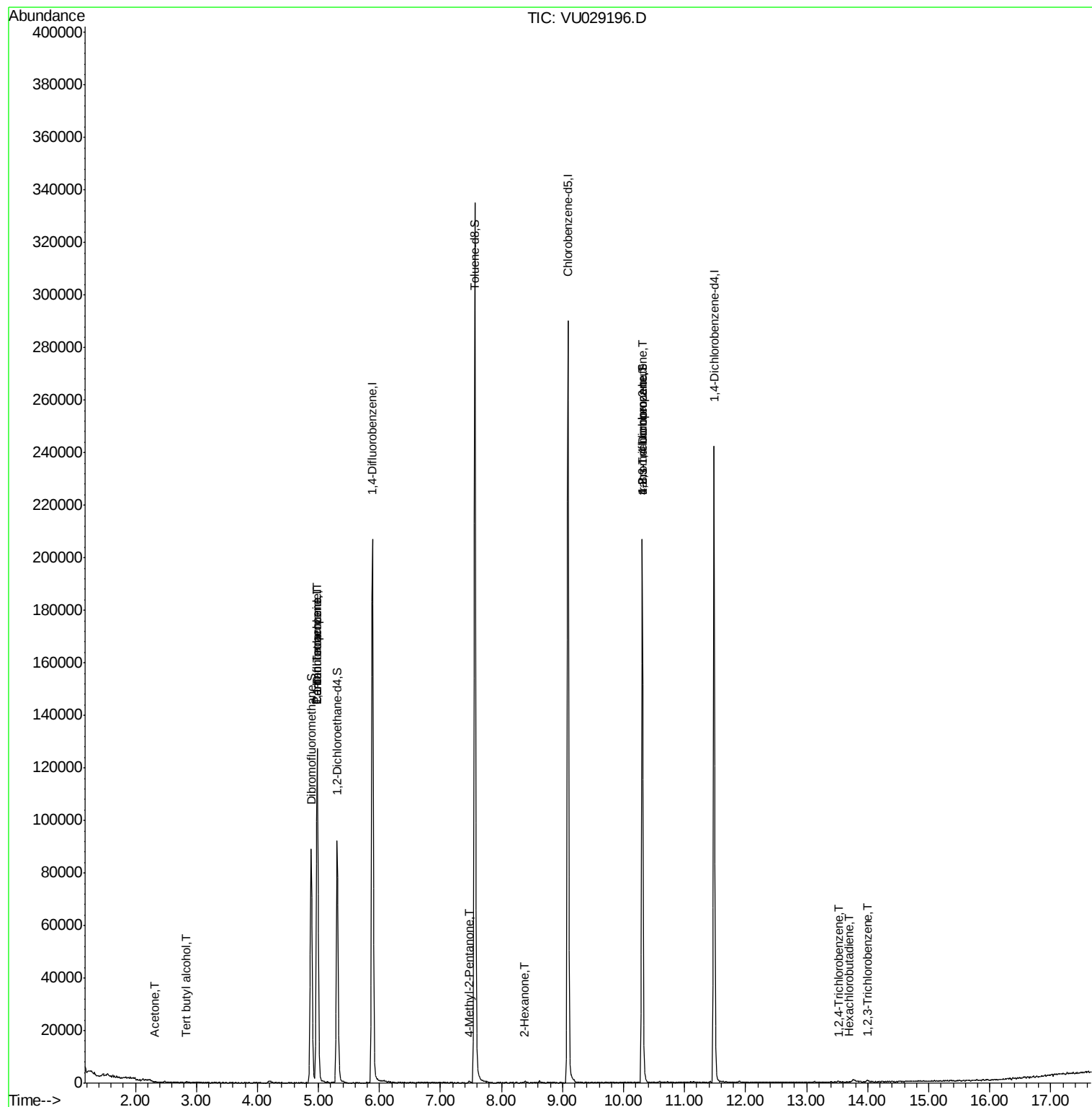
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	534	Below Cal	#	86
5) Bromomethane	1.63	94	39	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	69	0.214	ug/l #	73
16) Acetone	2.32	43	264	0.330	ug/l #	39
17) Carbon Disulfide	2.48	76	571	Below Cal	#	75
31) Cyclohexane	4.98	56	1706	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7213	3.988	ug/l #	47
38) Carbon Tetrachloride	4.98	117	8858	5.872	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	629	0.303	ug/l #	54
59) 2-Hexanone	8.38	43	532	0.327	ug/l	69
76) 1,2,3-Trichloropropane	10.30	75	34106	21.209	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	34106	54.700	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	324	0.217	ug/l #	87
94) Hexachlorobutadiene	13.69	225	152	0.223	ug/l #	19
96) 1,2,3-Trichlorobenzene	14.00	180	656	1.195	ug/l #	71

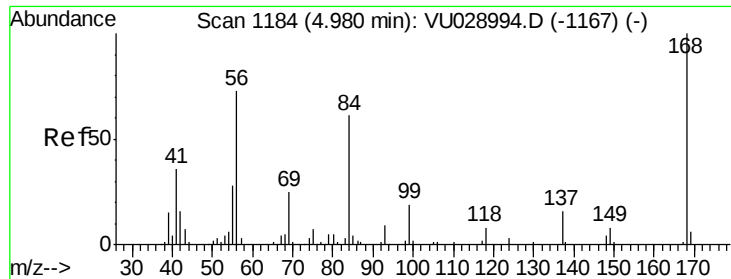
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

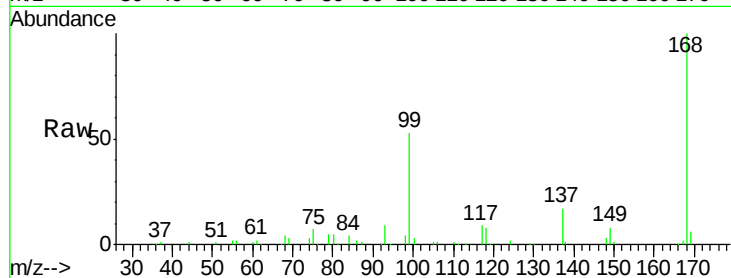
VU0116WBL01

Tot Ion:168 Resp: 102786

Ion Ratio Lower Upper

168 100

99 53.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

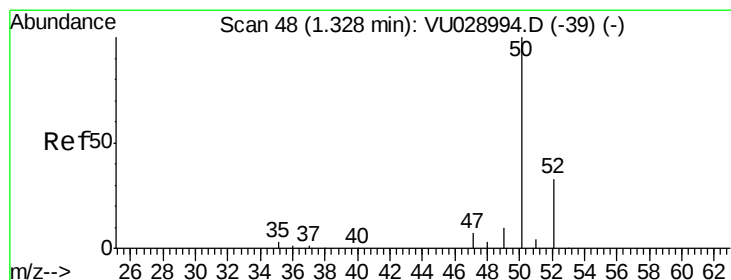
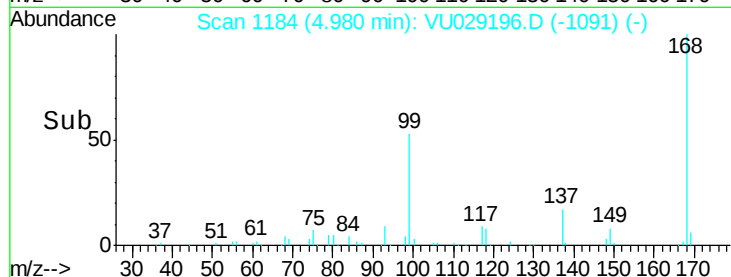
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029196.D

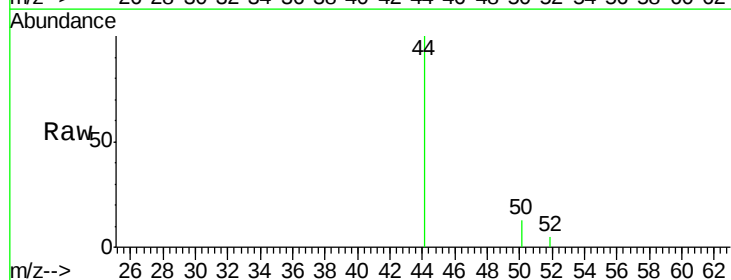
Acq: 16 Jan 2019 09:43

Tgt Ion: 50 Resp: 534

Ion Ratio Lower Upper

50 100

52 40.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

500

400

300

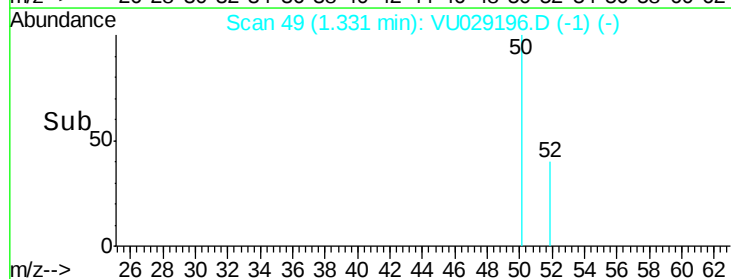
200

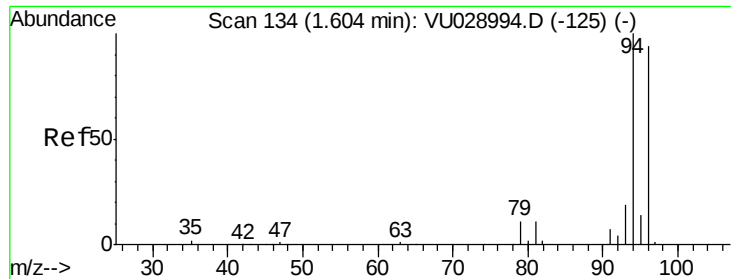
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 143

Delta R.T. 0.03 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

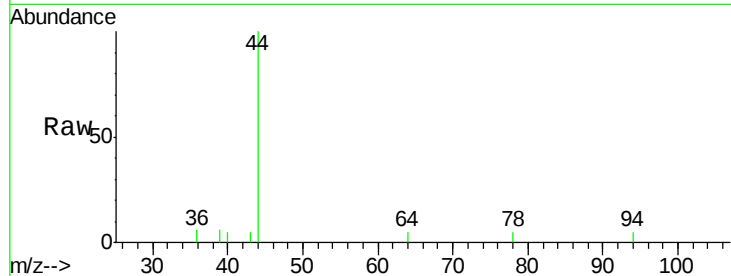
VU0116WBL01

Tot Ion: 94 Resp: 39

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

100

80

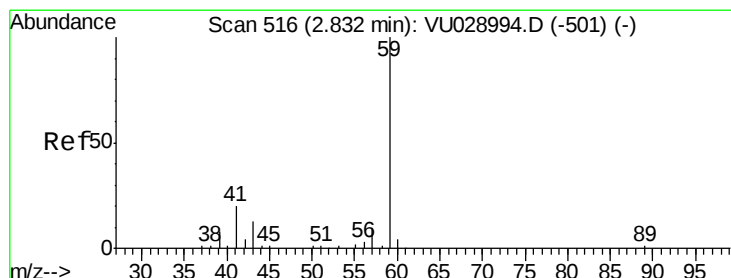
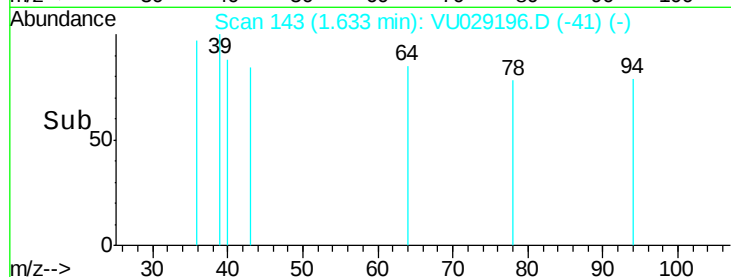
60

40

20

0

Time--> 1.62 1.63 1.64



#11

Tert butyl alcohol

Concen: 0.214 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU029196.D

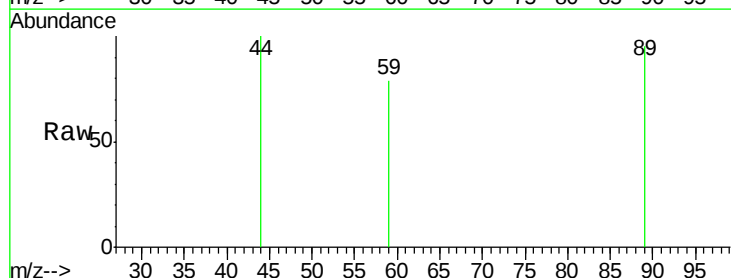
Acq: 16 Jan 2019 09:43

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

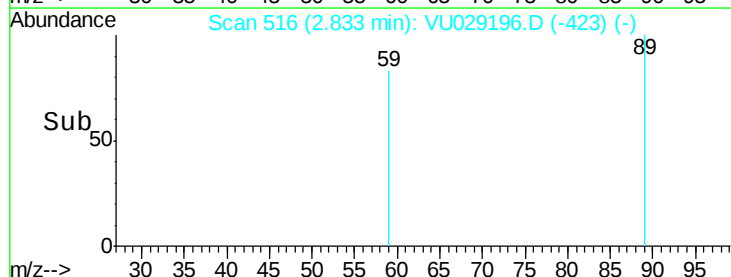
150

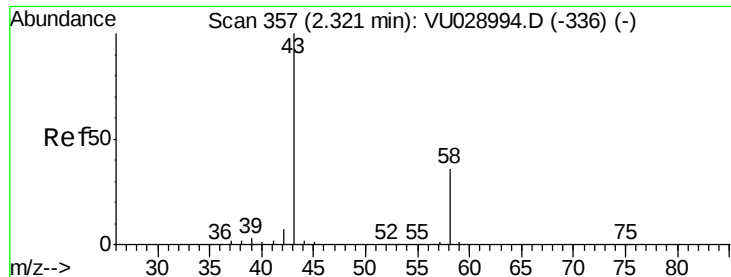
100

50

0

Time--> 2.82 2.83 2.84





#16

Acetone

Concen: 0.330 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

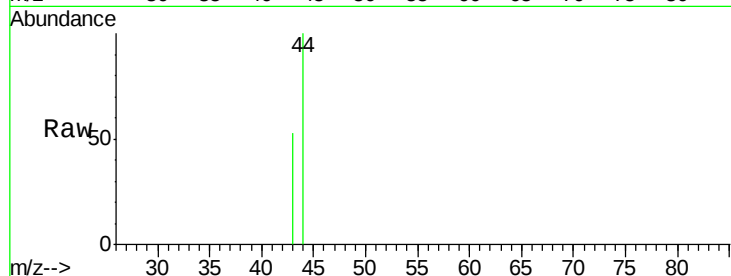
VU0116WBL01

Tot Ion: 43 Resp: 264

Ion Ratio Lower Upper

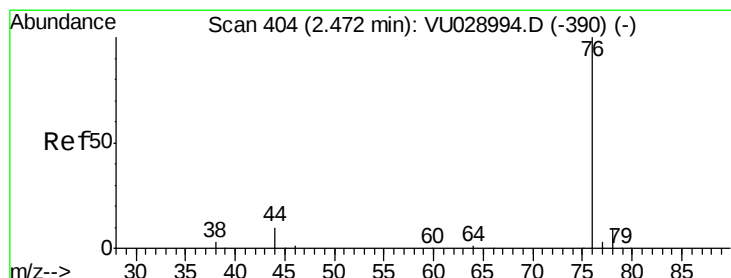
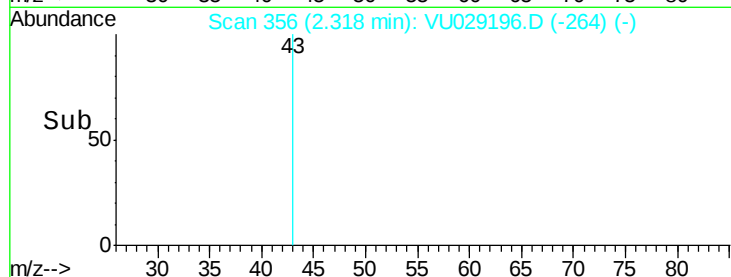
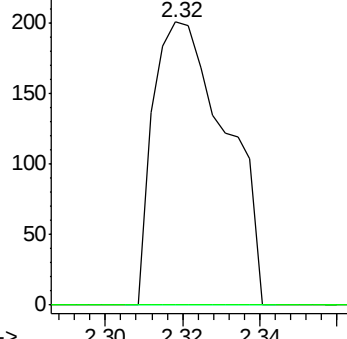
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029196.D

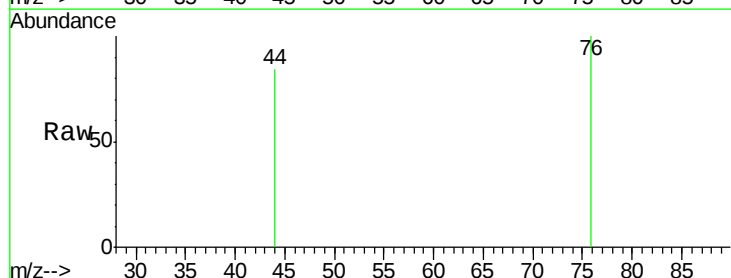
Acq: 16 Jan 2019 09:43

Tgt Ion: 76 Resp: 571

Ion Ratio Lower Upper

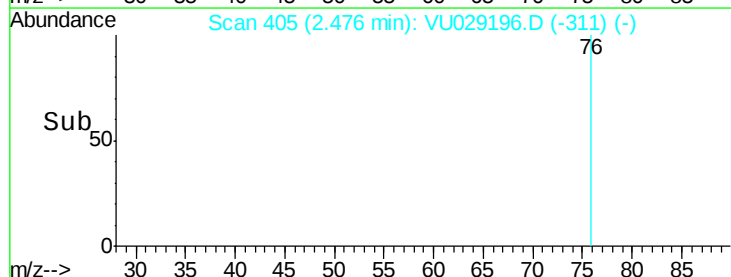
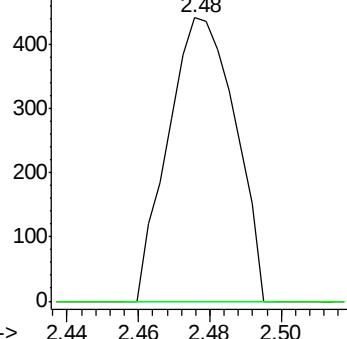
76 100

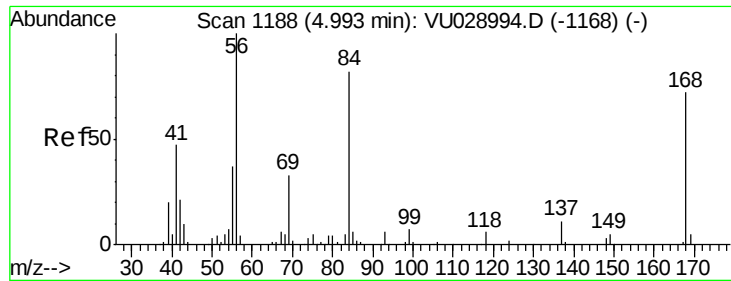
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

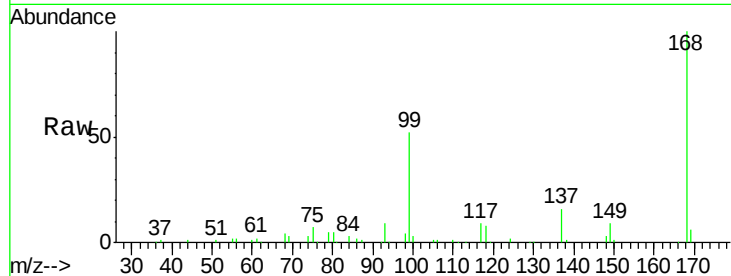




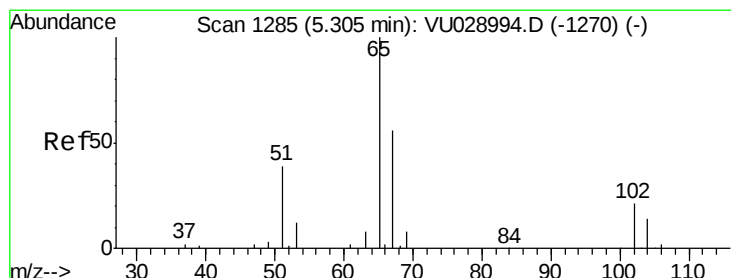
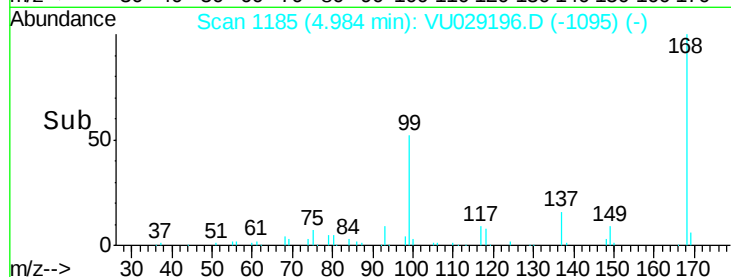
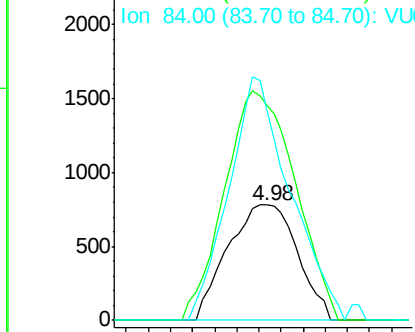
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBL01

Tot Ion: 56 Resp: 1706
Ion Ratio Lower Upper
56 100
69 186.2 26.7 40.1#
84 183.1 65.7 98.5#

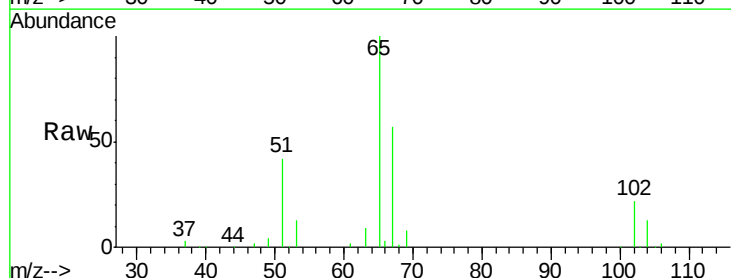


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

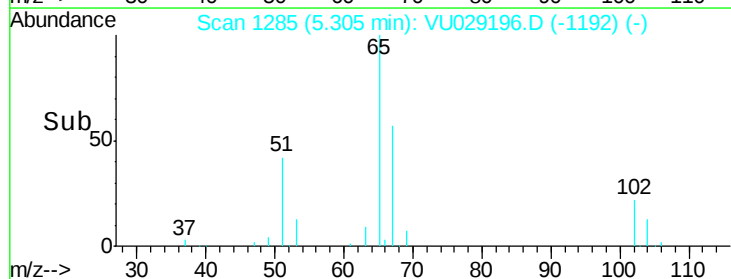
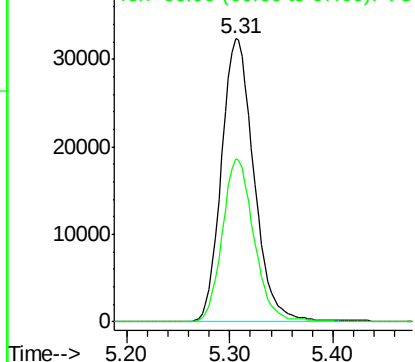


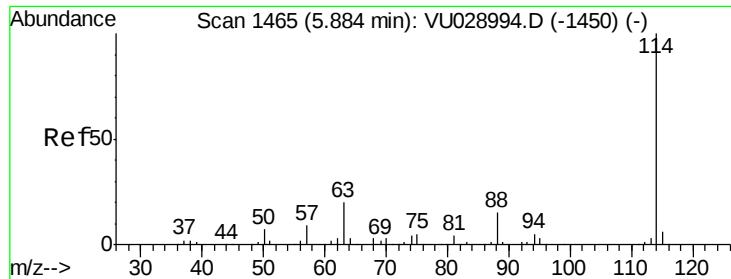
#33
1,2-Dichloroethane-d4
Concen: 55.905 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

Tgt Ion: 65 Resp: 71035
Ion Ratio Lower Upper
65 100
67 56.1 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBL01

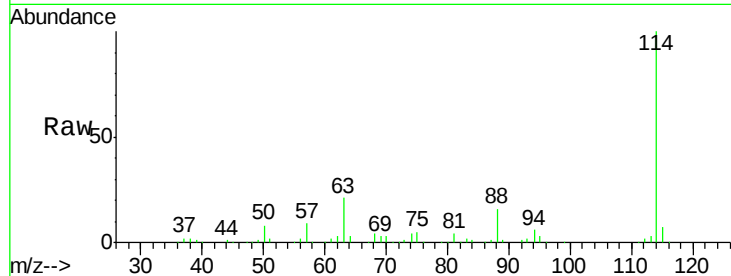
Tot Ion:114 Resp: 180941

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.2

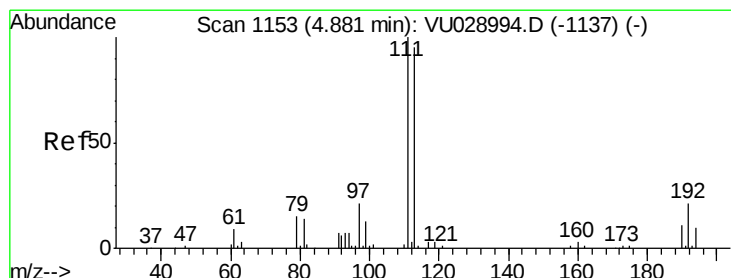
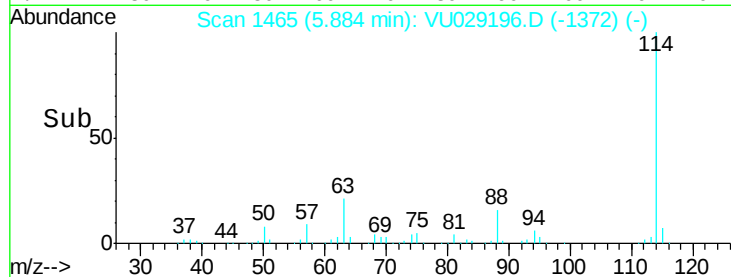
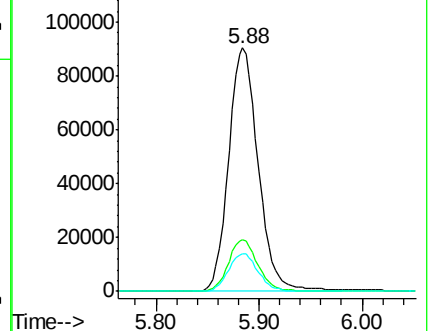
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 53.221 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

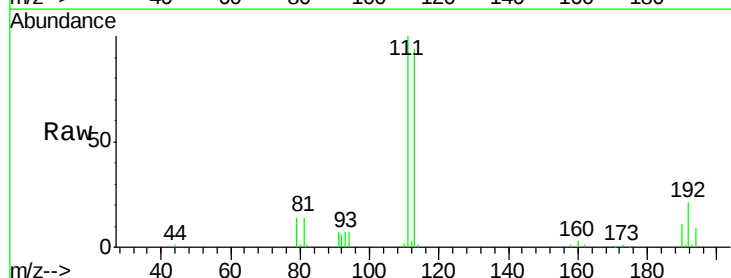
Tgt Ion:113 Resp: 62424

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.2

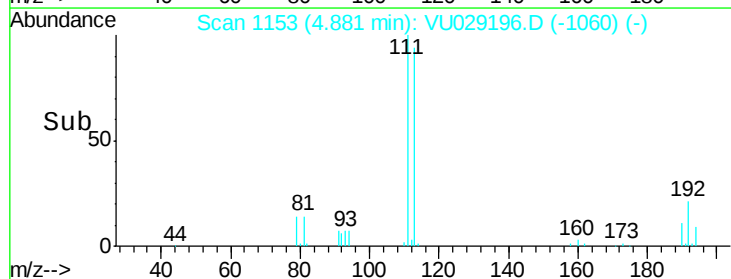
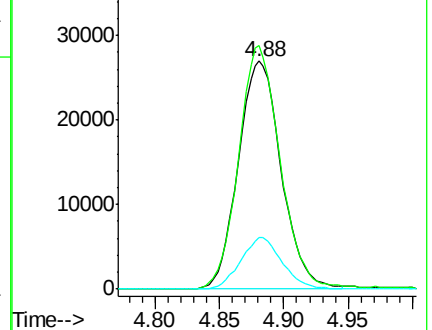
192 21.7 16.8 25.2

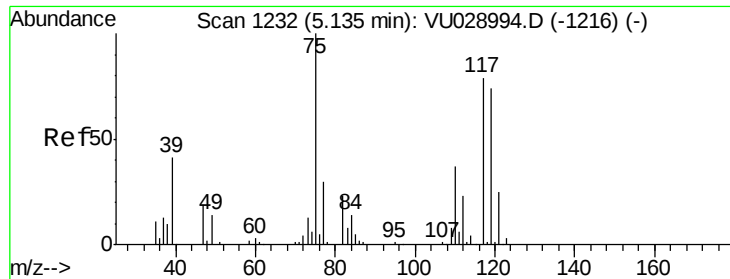


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.988 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBL01

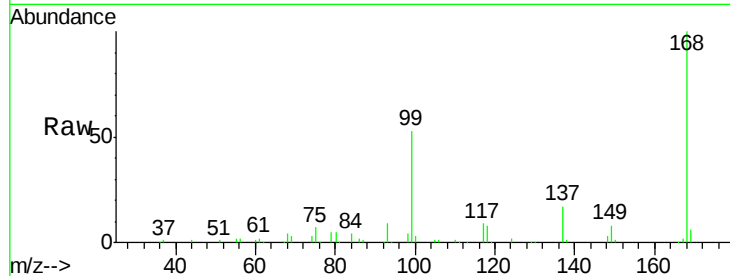
Tot Ion: 75 Resp: 7213

Ion Ratio Lower Upper

75 100

110 6.9 18.4 55.4#

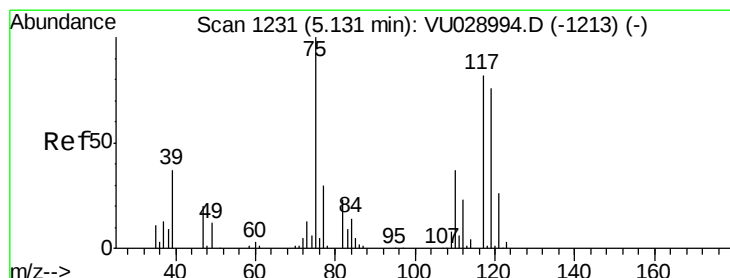
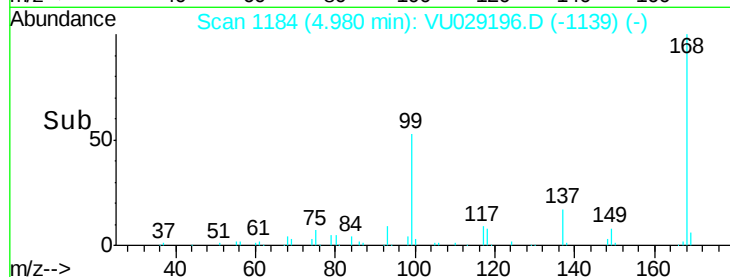
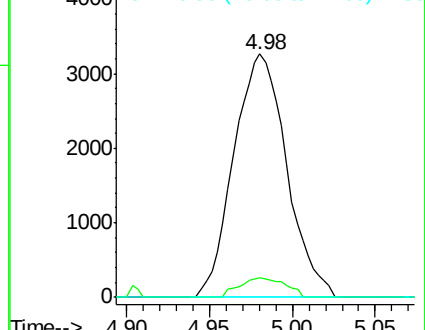
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38

Carbon Tetrachloride

Concen: 5.872 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

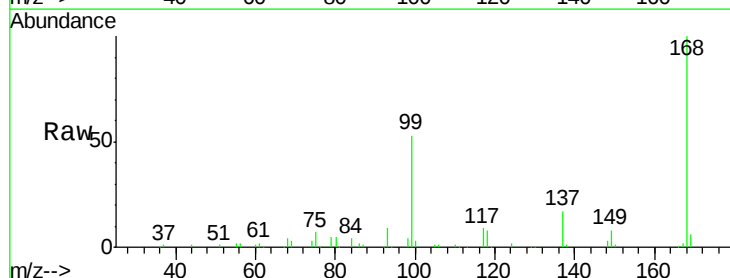
Tgt Ion: 117 Resp: 8858

Ion Ratio Lower Upper

117 100

119 4.6 74.6 111.8#

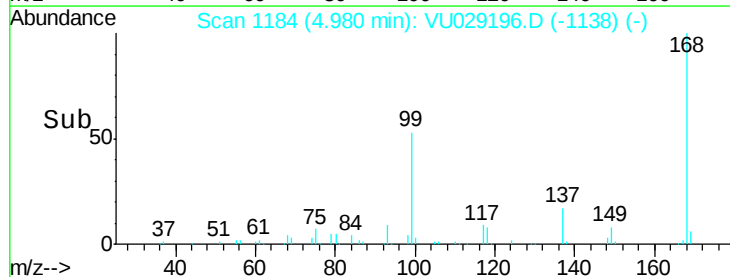
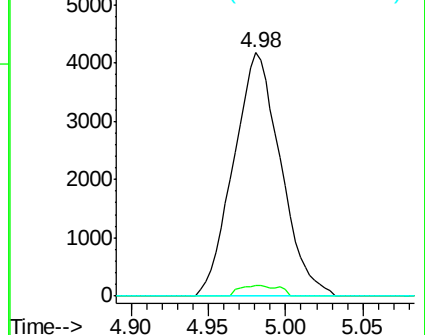
121 0.0 25.0 37.6#

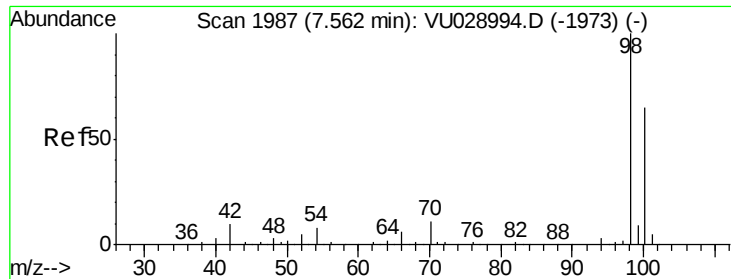


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

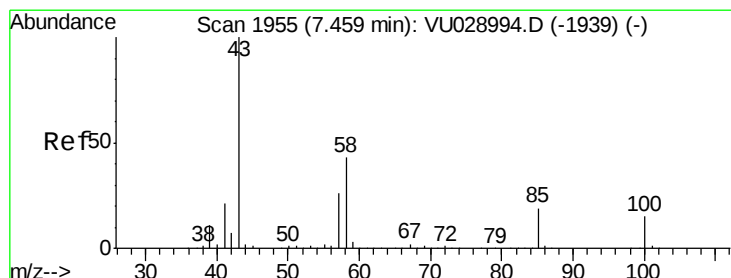
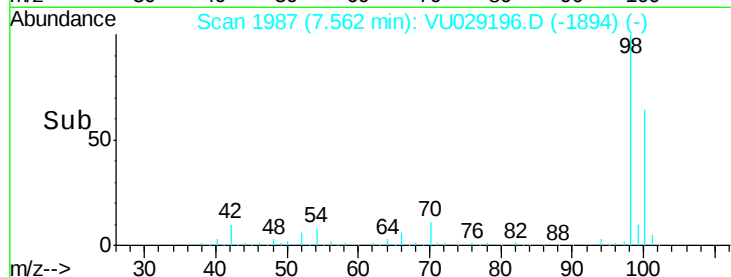
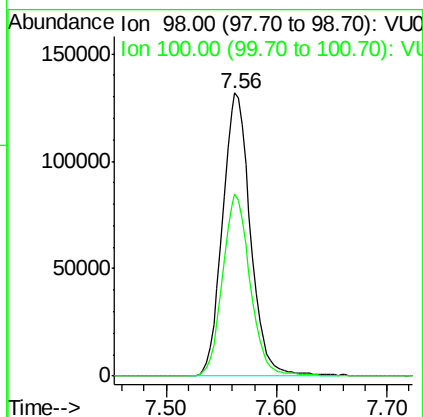
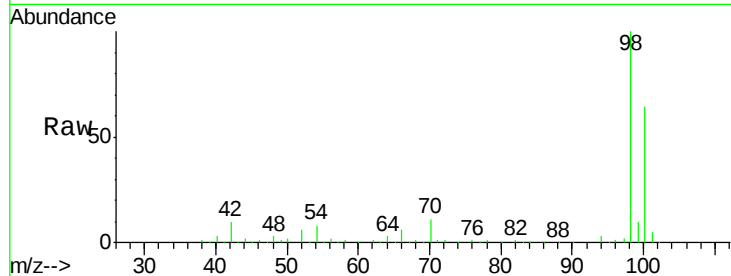




#50
Toluene-d8
Concen: 50.055 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

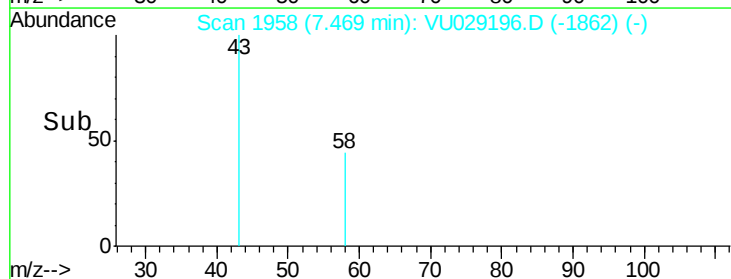
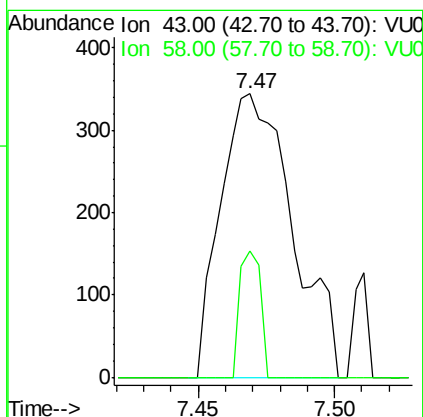
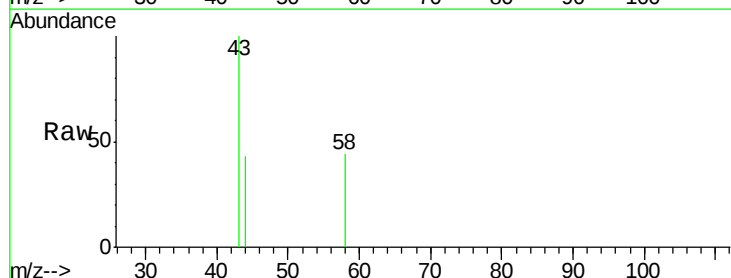
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBL01

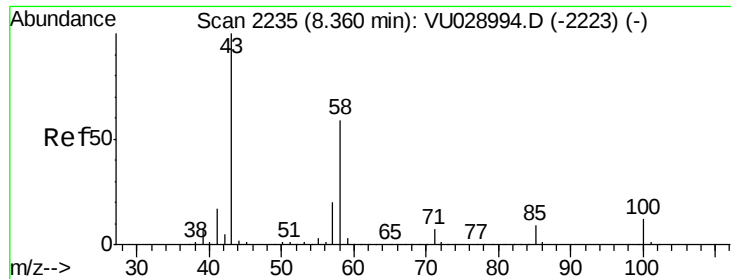
Tot Ion: 98 Resp: 231781
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.303 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
58 13.0 33.9 50.9#

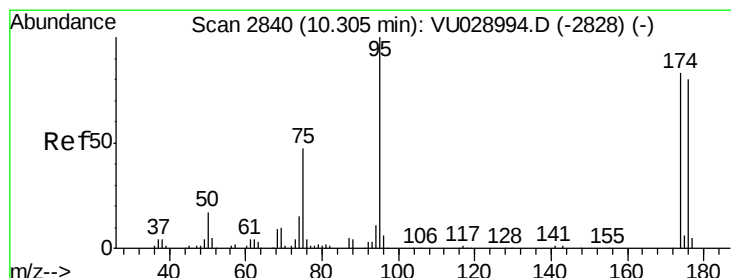
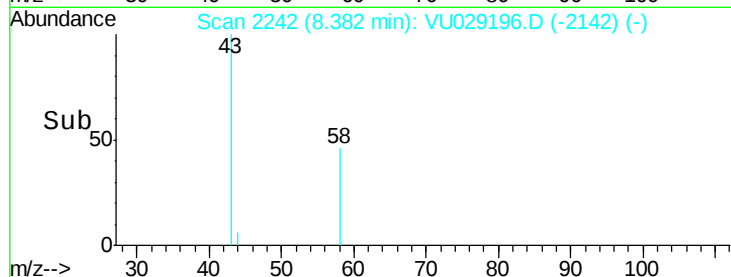
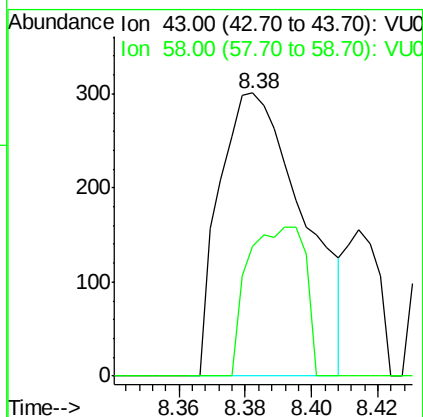
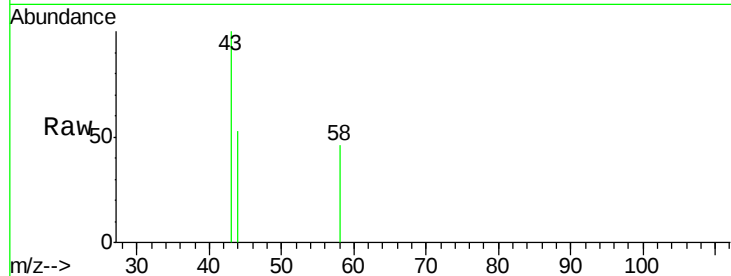




#59
2-Hexanone
Concen: 0.327 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

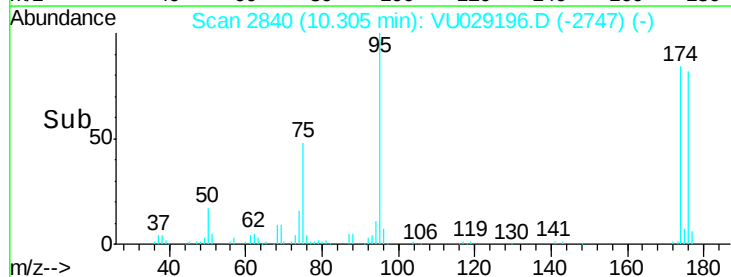
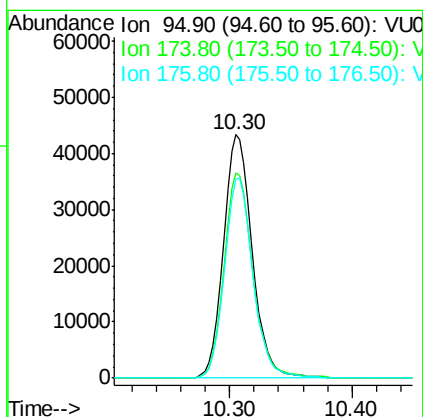
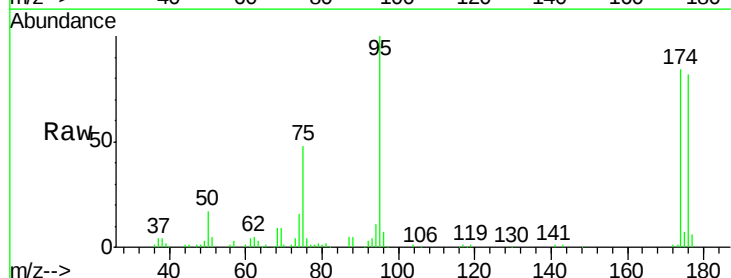
Instrument :
MSVOA_U
ClientSampleId :
VU0116WBL01

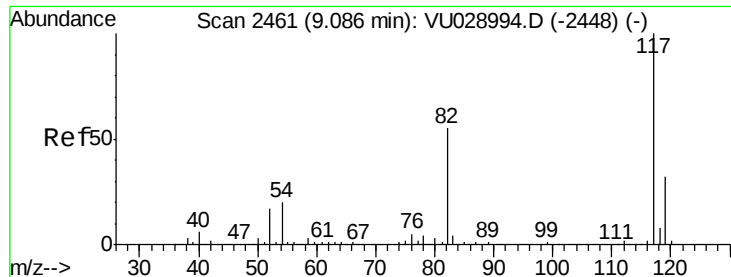
Tot Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 35.9 29.8 89.4



#62
4-Bromofluorobenzene
Concen: 43.136 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

Tgt Ion: 95 Resp: 71784
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.6
176 81.5 0.0 165.0

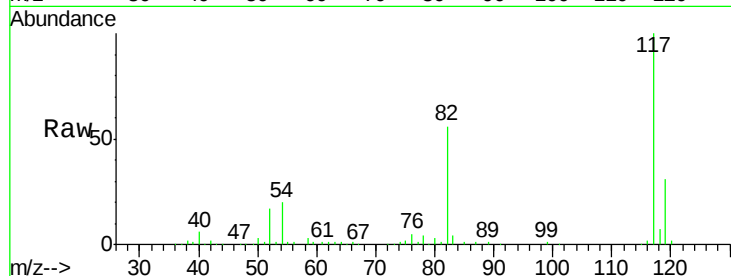




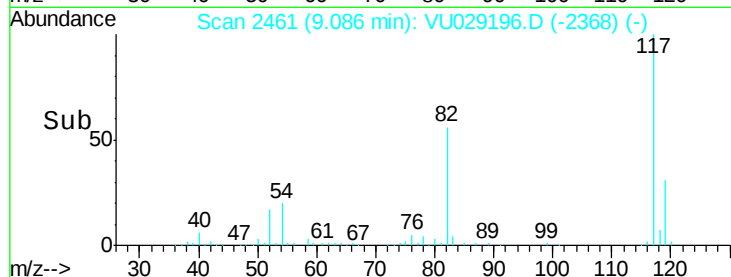
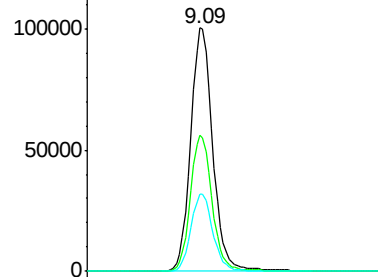
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

Instrument :
MSVOA_U
ClientSampleId :
VU0116WBL01

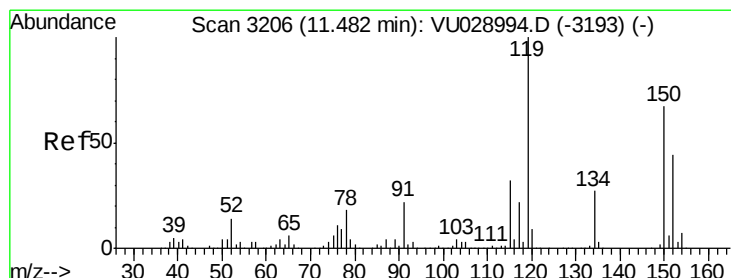
Tot Ion:117 Resp: 169470
Ion Ratio Lower Upper
117 100
82 56.1 43.9 65.9
119 31.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

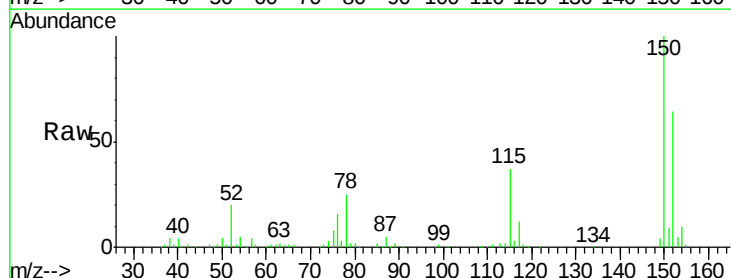


Time-->

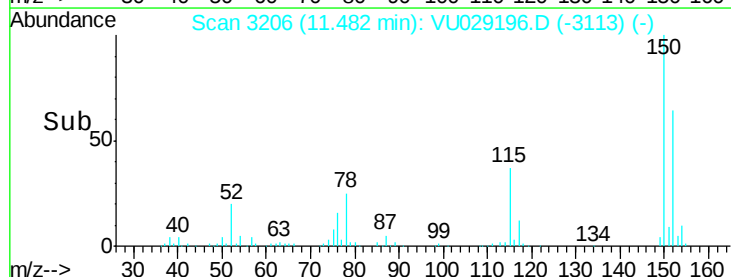
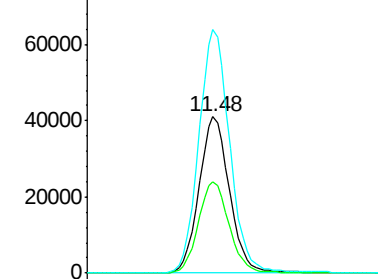


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029196.D
Acq: 16 Jan 2019 09:43

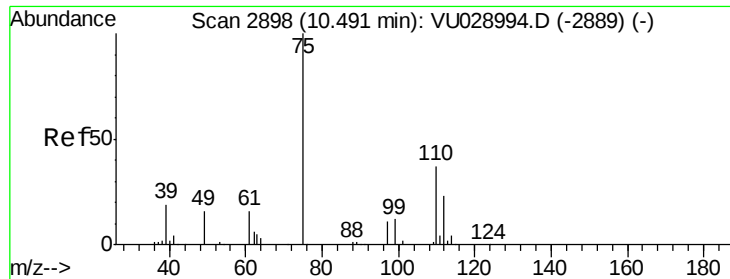
Tgt Ion:152 Resp: 65631
Ion Ratio Lower Upper
152 100
115 58.7 40.1 120.3
150 157.4 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.209 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

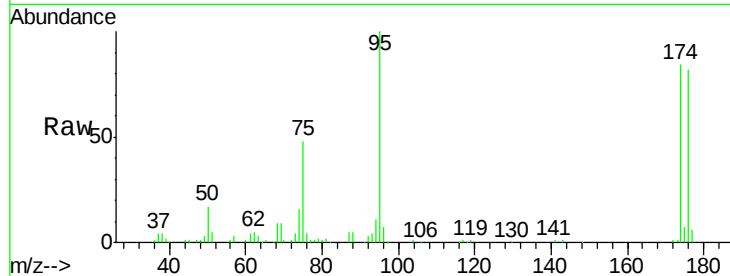
VU0116WBL01

Tot Ion: 75 Resp: 34106

Ion Ratio Lower Upper

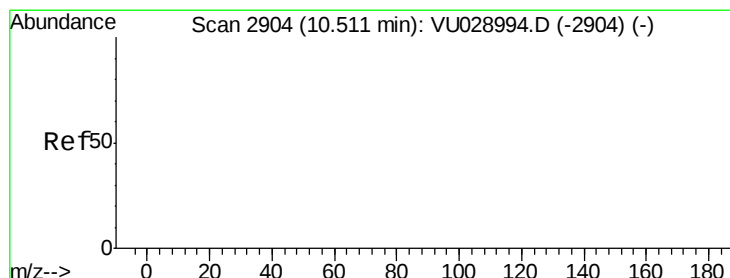
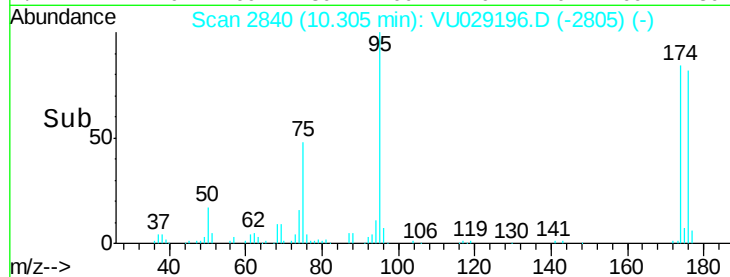
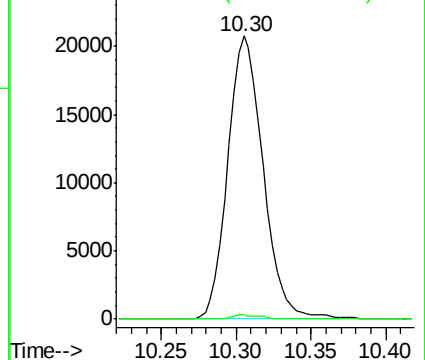
75 100

77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 54.700 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

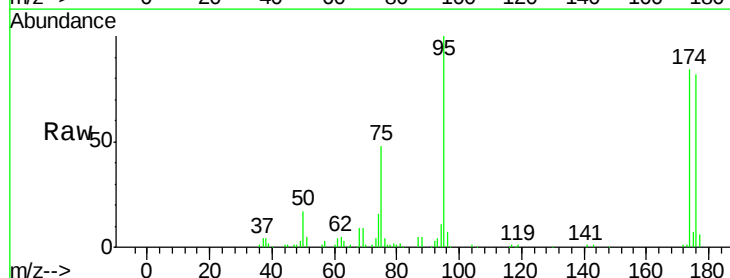
Tgt Ion: 75 Resp: 34106

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

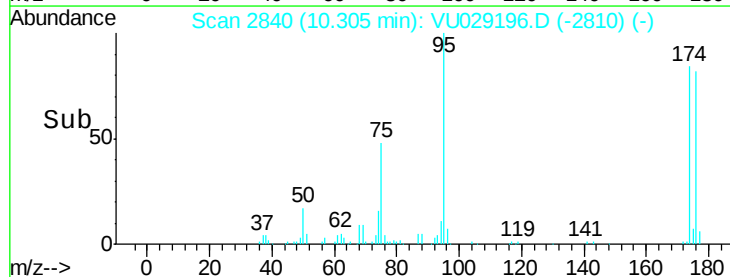
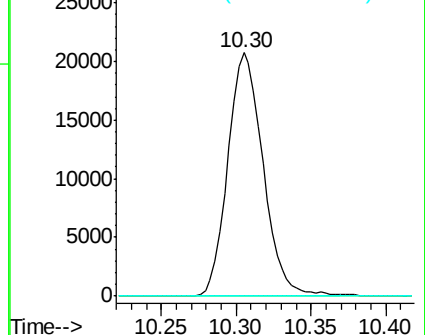
89 0.0 0.0 0.0

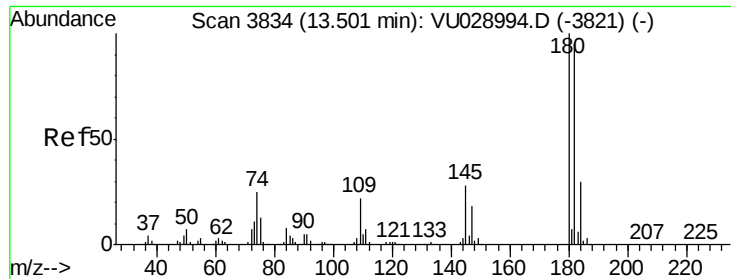


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

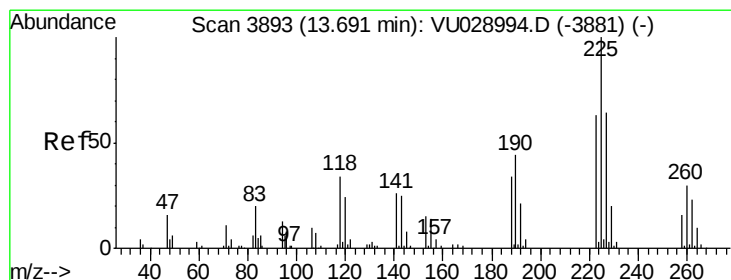
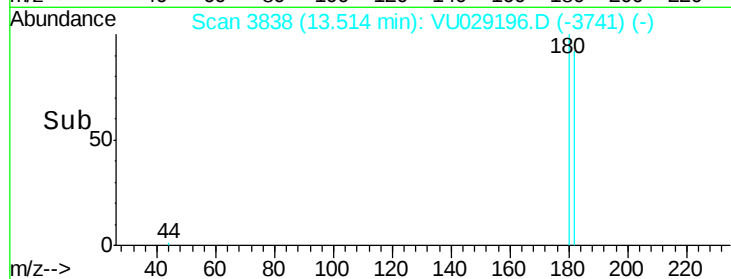
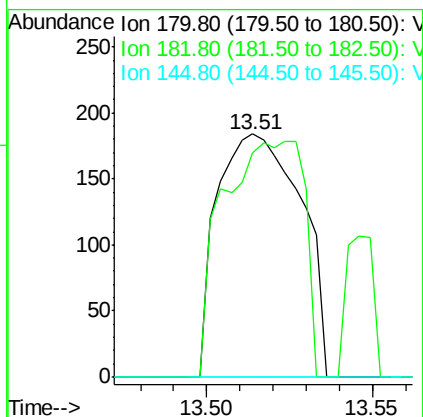
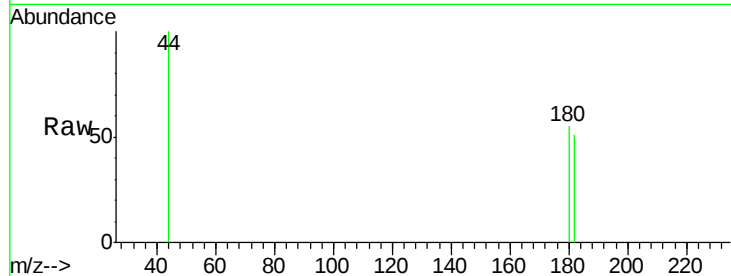




#93
 1,2,4-Trichlorobenzene
 Concen: 0.217 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU029196.D
 Acq: 16 Jan 2019 09:43

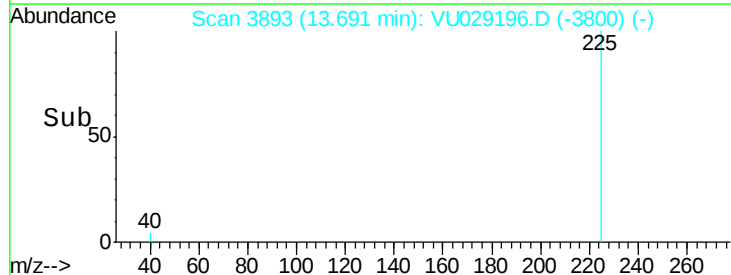
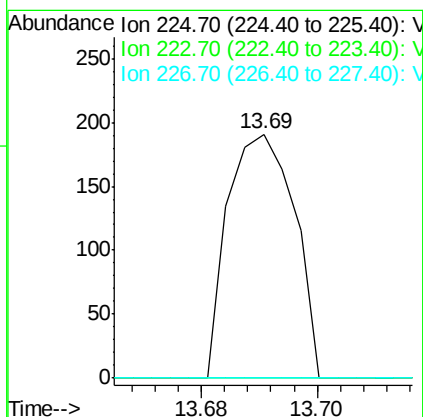
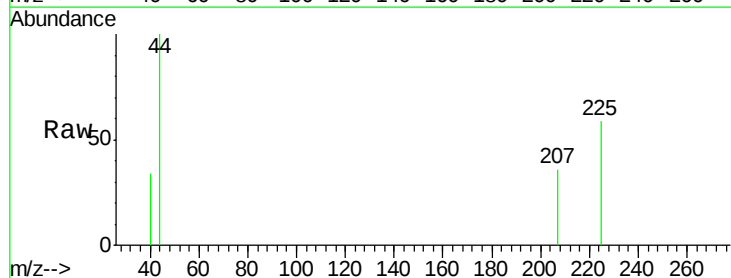
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0116WBL01

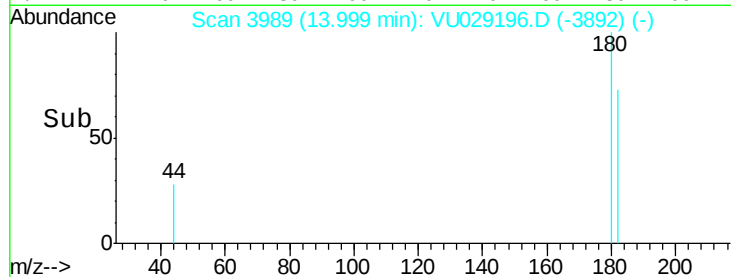
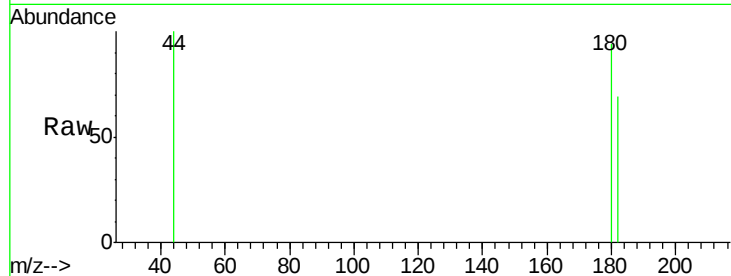
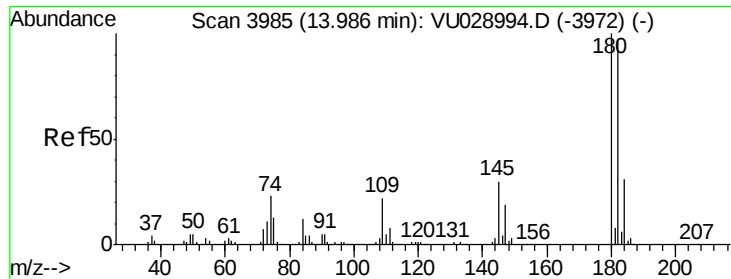
Tot Ion:180 Resp: 324
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.5 142.6
 145 0.0 14.0 42.0#



#94
 Hexachlorobutadiene
 Concen: 0.223 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029196.D
 Acq: 16 Jan 2019 09:43

Tgt Ion:225 Resp: 152
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.4 94.0#
 227 0.0 31.9 95.5#





#96

1,2,3-Trichlorobenzene

Concen: 1.195 ug/l

RT: 14.00 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VU029196.D

Acq: 16 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VU0116WBL01

Tot Ion:180 Resp: 656

Ion Ratio Lower Upper

180 100

182 76.1 48.1 144.3

145 0.0 14.8 44.4#

